

Supplemental information

Replication and shedding of MERS-CoV in Jamaican fruit bats (*Artibeus jamaicensis*)

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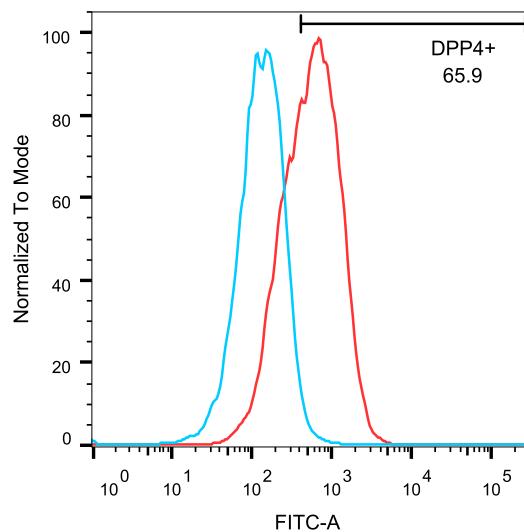


Figure S1. Surface expression of *Artibeus* bat DPP4 on BHK cells. Untransfected BHK cells (blue) or transfected with *Artibeus* DPP4 (red) and stained 24 h posttransfection using anti-DPP4 (R&D) and a FITC-conjugated secondary antibody (Life Technologies). Samples were collected using an LSRII flow cytometer (BD Biosciences) and analyzed using FlowJo software.

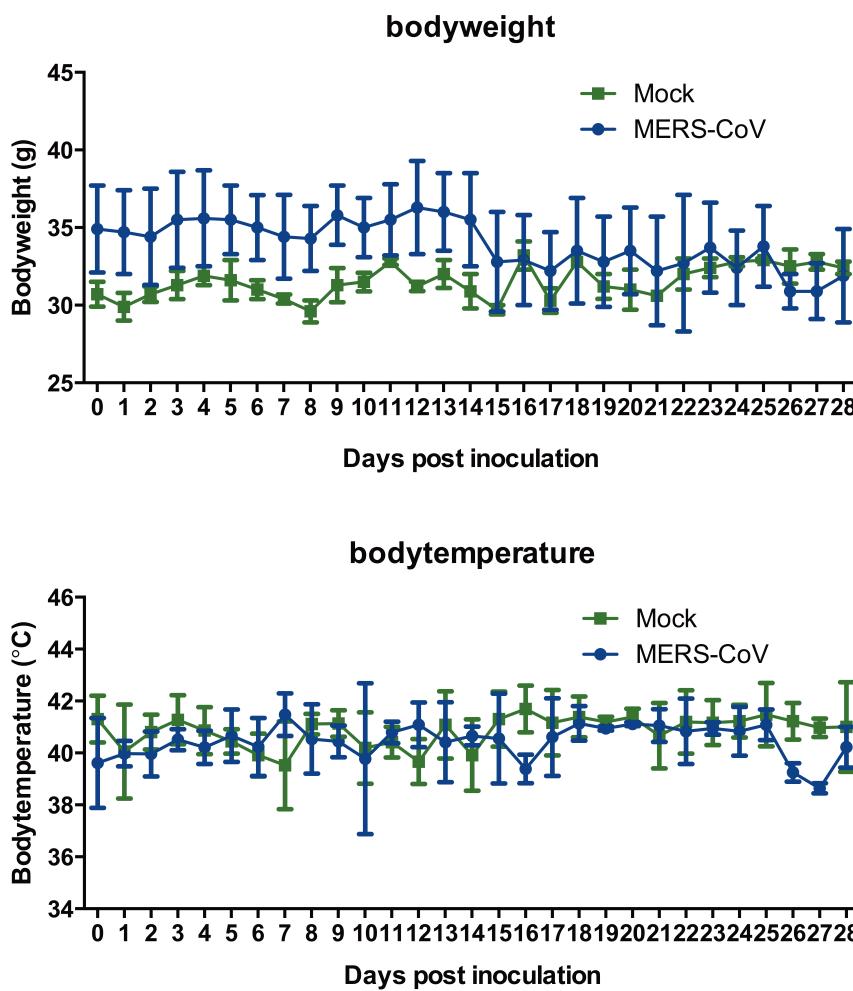


Figure S2. Bodyweight and temperature of MERS-CoV inoculated and mock inoculated control bats.

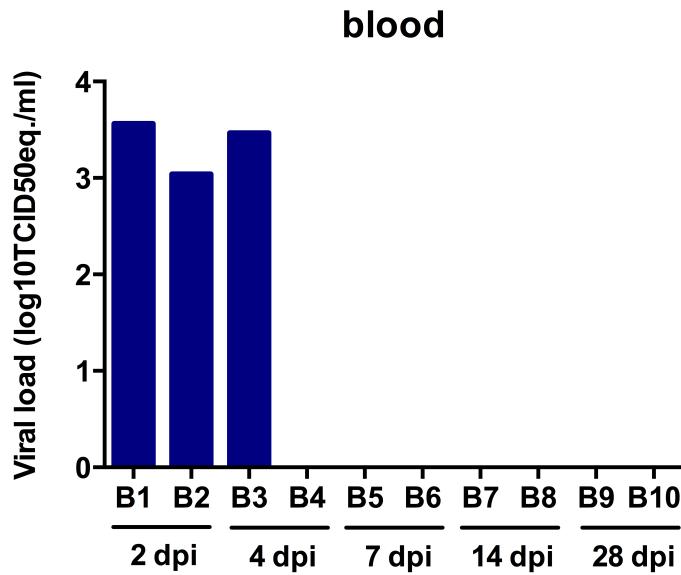


Figure S3. Detection of MERS-CoV viremia in *Artibeus* bats

Table S1. Summary of histopathological data

	tissue	H&E	lesion	IHC positive tissue
CoV/B1	-			lung
CoV/B2	-			-
CoV/B3	lung, nasal cavity		interstitial pneumonia, rhinitis	lung
CoV/B4	nasal cavity		rhinitis	-
CoV/B5	lung		interstitial pneumonia	lung
CoV/B6	-			-
CoV/B7	-			-
CoV/B8	-			-
CoV/B9	-			-
CoV/B10	-			-

Table S2. Summary of MERS-CoV data

	Evidence for MERS-CoV replication in Jamaican fruit bats						
	swabs (PCR)	tissue (PCR)	tissue (mRNA)	blood (PCR)	tissue (virus isolation)	histology (IHC/ISH)	seroconversion (ELISA & VN)
CoV/B1	+	+	+	+	+	+	
CoV/B2	+	+	+	+			
CoV/B3	+	+	+	+		+	
CoV/B4	+	+	+				
CoV/B5	+	+	+			+	
CoV/B6	+	+	+		+		
CoV/B7	+	+	+		+		+
CoV/B8	+						
CoV/B9	+						
CoV/B10					+		